



# NWS Operations Proving Ground Roundup Presentation



**7<sup>th</sup> NOAA TBPG Workshop**  
College Park, MD April 5-6, 2016

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# FY15 Highlights



*Evaluating the Usefulness of High-Temporal Resolution Satellite Imagery for NWS Operations in the GOES-R Era*



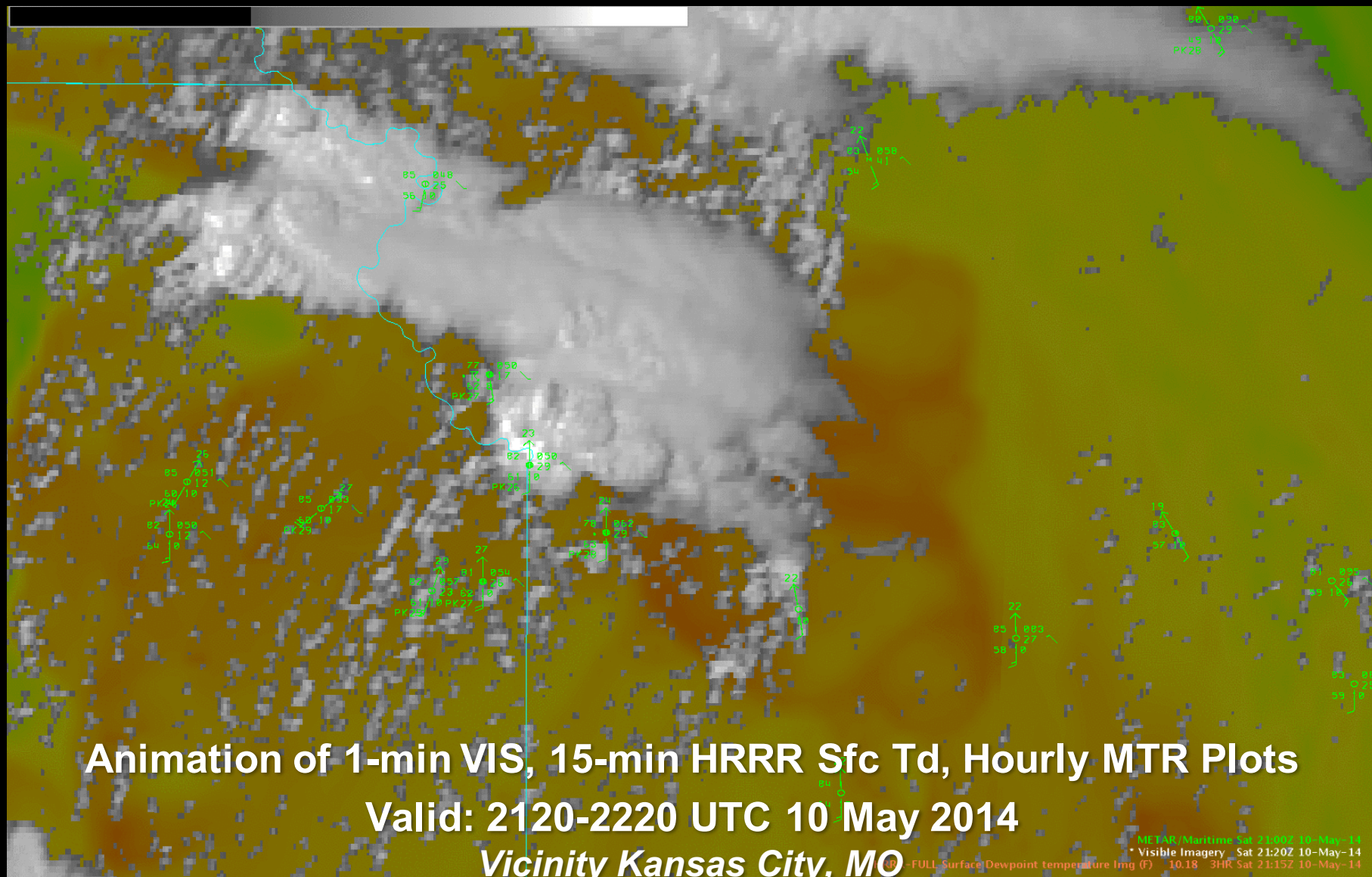
# Evaluation Goals

- Ability to Assimilate Data for Decision Making
- Variety of Analysis and Forecasting Scenarios
- Tasks for Which 1-Min Imagery Most Valuable
- Training Needed to Prepare Forecasters for Day 1
- Identify Potential Workload, Workflow Issues
- Explore Enhancing IDSS Messaging in the GOES-R Era





# Data Fusion Example





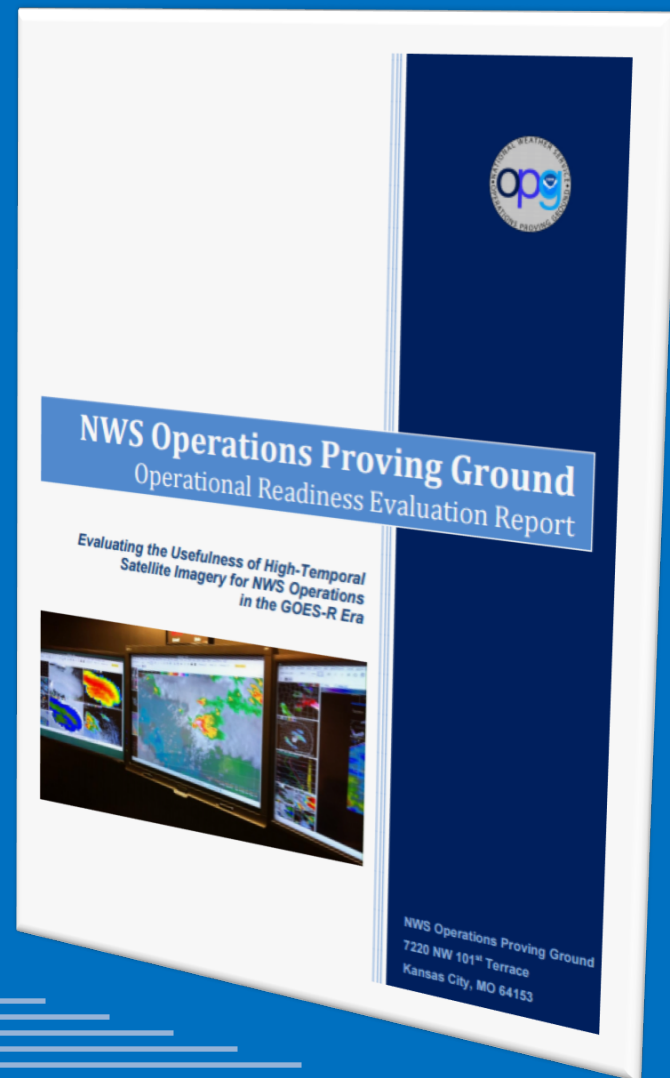
# Transition Summary

Findings & Recommendations  
Detailed in Final Report

*([weather.gov/opg](https://weather.gov/opg/projects) → projects)*

Summary of Key Eval Results in  
Final Review for Publication

*(AMS Weather & Forecasting)*

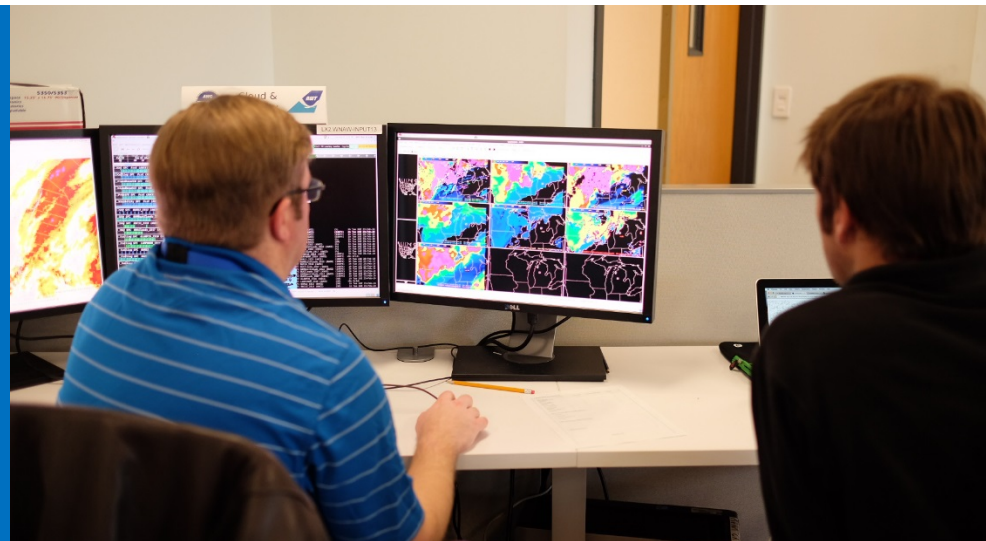


# FY16 Activities



Evaluating Operational Applications of Multiple Spectral Bands and RGB Composites for the GOES-R Era

Determining Optimal Methodologies for the Implementation of Digital Aviation Services







# ABI/RGB Evaluation Goals

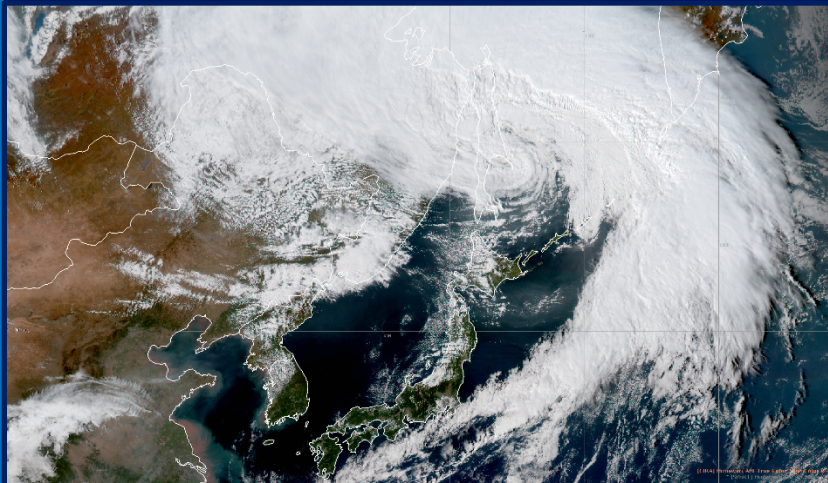


- 1) Gain insight into which spectral bands and multispectral imagery offer operational value in the opinions of participating forecasters
- 2) Evaluate client-side RGB generation and a new prototype AWIPS training plug-in
- 3) Assess system performance; provide relevant feedback/recommendations to OPPSD to inform development of enterprise solutions

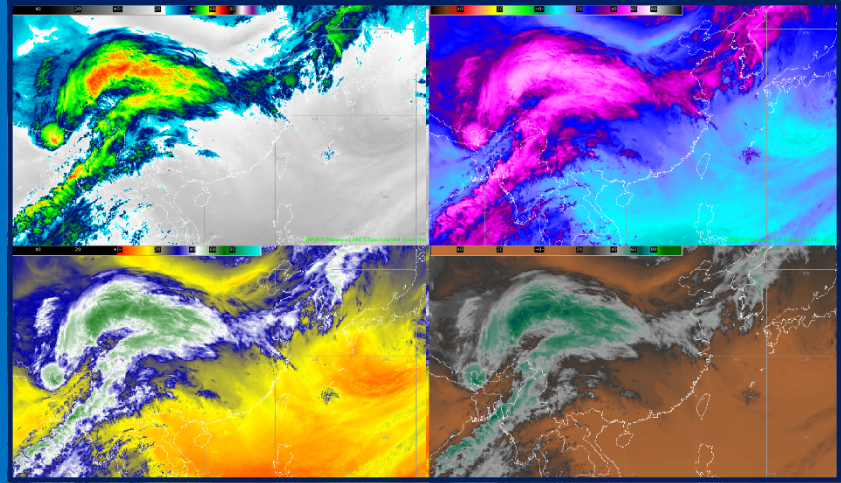


# Lessons Learned

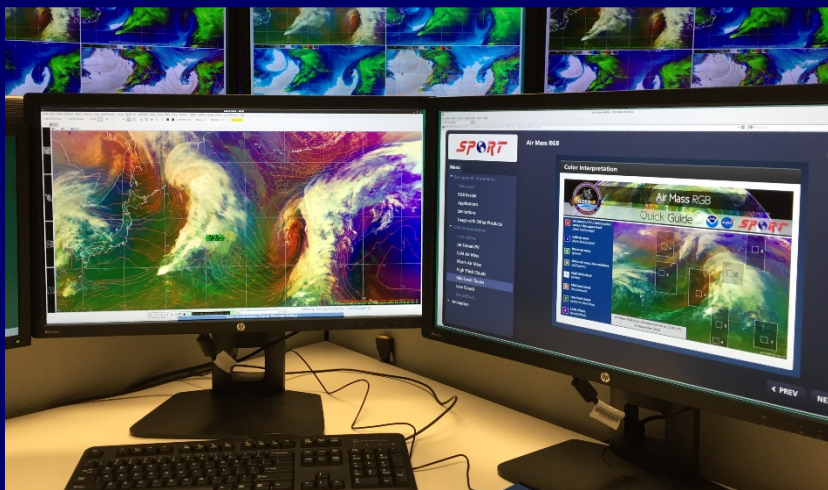
## Best Operational Value



## Color Curves & Visual Arrays



## Integrated Training Tools



## System Performance Issues

